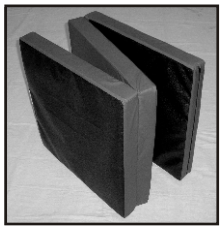
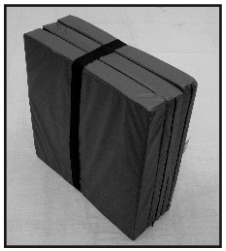
RECOMMENDED ACCESSORIES

Nexus accessories are designed to work in harmony with the moving parts of our beds and, in conforming with EN1970-2000 bed Standard, reduce the risk of entrapment. Use of other manufacturers' products with our beds may take a bed/mattress combination out of EN1970-2000 guidelines and may increase the entrapment risk. Neither Nexus DMS Ltd, nor any of its employees, can take responsibility for any issues arising from use of such products.

A range of matched pressure care & non-pressure care mattresses

Safety foam bumpers for siderails & head/foot boards



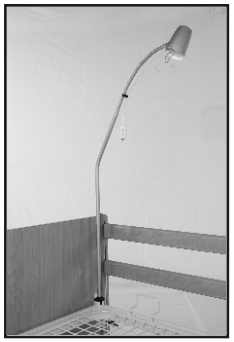


crashEX safety mat

Matched siderail extenders

easyEX movement aid

Function-lock & soft touch hand controls



lightEX reading and examination light

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Pro-Care® is a registered trademark of Nexus DMS Ltd.

Ref: NX.85.038 1009

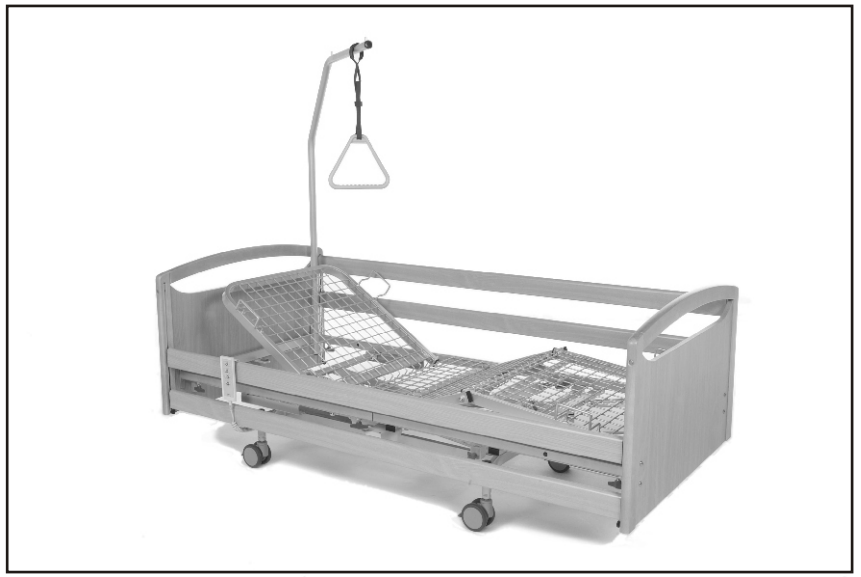
Pro-Care®

Electrically powered profiling beds

Code CB1-200-90: Standard Bed
Code CB1-220-90: Longer Bed
Code CB1-200-120: Wider Bed
Code CB1-180-90: Shorter Bed

USER MANUAL

October 2009 edition



SAFETY NOTICE

This manual contains important information regarding the safe & proper assembly and use of the bed. It is important that any persons involved should have read & understood its contents. Failure to do so could result in damage to the bed and may invalidate the warranty. Be aware that elements of the bed are heavy. Those involved should observe the safe lifting and handling techniques recommended under Health & Safety Regulations.

PAY PARTICULAR ATTENTION TO THE FOLLOWING ADVICE.

(also refer to page 11 for guidance on Safe Working Loads)

ASSEMBLY & INSTALLATION.

* The bed should be assembled by suitably competent persons.
* Ensure that the local electricity mains voltage corresponds to that marked on the main controller label before connecting to the supply.
* Ensure that cables from actuators are plugged into the main controller correctly.
* The fuse in the mains 'safety connector' plug should not exceed 5amps.
* The bed should be located on a level surface & not sited on loose floor coverings .
* The cable from the mains electricity supply must be routed clear of the lifting mechanism & castors to avoid danger of shearing or crushing.

OPERATION.

* The brake on each castor must be applied whilst the bed is in use (see also Page 8).
* Do not allow children underneath the bed or to use the controls.
* Do not position objects under the lifting mechanism of the bed.
* Always ensure that limbs or body parts of both user and carer are not protrudung from the bed, are not between the siderails or into the lifting mechanism when using the powered functions.
* Never exceed the maximum usage period of 2 mins continous use in any 18 mins. for any of the powered functions. Should you do so the actuator may 'close down' for a period to recover.
* If, during operation, there are any unusual noises or smells then disconnect the bed from the mains electricity power supply immediately. Ensure that no cables are trapped.
* When raising/lowering the bed be very aware of any fixtures such as window sills, shelf units & electrical power sockets which may obstruct the raising of the bed. If necessary re-position the bed to avoid contact and damage.

RE-SITING.

* If moving the bed to a different location always ensure that all bed functions are at their lowest position & remember to remove the plug from the mains electricity power supply.
* Release all brakes before moving the bed, otherwise damage may occur.
* Never use the siderails to push or pull the bed. Always use the head and foot boards.
* With or without occupant, the bed should only be moved at slow speed & not pushed over a threshold strip greater than 2cm in height.
* Once the bed is re-sited remember to re-apply the brakes.

MAINTENANCE & CARE.

* All wingscrews, grubscrews & mechanical fixings should be checked regularly for tightness.
* Use a damp cloth with normal household cleaners or warm soapy water to clean the bed. Do not use cleaning agents containing ammonia, abrasives or strong solvents.
* Mechanical cleaning, scouring, pressure hoses or automated cleaning will damage the bed.
* All electrical actuators are fitted with maintenance-free self-lubricating bearings & no attempt should be made to oil or grease these parts.
* A suitably qualified service engineer should check all electrical parts & cables and mechanical functions for correct operation at least once every year.
* Any unauthorised modifications, adjustments or alterations will invalidate the product warranty.
* Repairs should only be carried out by a suitably qualified competent engineer.
* The Pro-Care bed is classed as a 'double insulated appliance', although the supplied safety connector is not. If the bed is used in commercial premises then customers should seek the advice of a qualified electrician regarding PAT2 test recommendations.

SHOULD YOU HAVE ANY DOUBTS THEN PLEASE SEEK ADVICE!

Troubleshooting.

Fault	Remedy
No actuator functions when hand control operated	Check connection to mains electricity supply & fuse; check that the safety connector has not become disconnected; check connections of hand control and actuator plugs to main controller.
One actuator does not work when button Is pressed.	Check connection between actuator cable and controller.

TIP: If you have another Nexus bed of the same type (which you know is functioning correctly) try the hand control off that bed - if this cures the problem then the original hand control is faulty. Has the spiral cable been over-stretched or damaged in some way?

CB1 Series Pro-Care® bed - approx.component weights

	No. per Bed	*Standard CB1-200-90*	*Long CB1-220-90*	*Wide CB1-200-120*	*Long/wide CB1-220-120*
Head/foot board + 'T' brackets - *each*	2	9.2 kg	9.2 kg	11.4 kg	11.4 kg
Mattress support - head end+actuator	1	23.3 kg	23.3 kg	43.6 kg	43.6 kg
Mattress support - foot end+actuator	1	24.8 kg	24.8 kg	30.9 kg	30.9 kg
20cm Extension kit	1	-	5.9 kg	-	7.1 kg
Scissor mechanism+Chassis+castors	1	34.7 kg	34.7 kg	44.8 kg	44.8 kg
Main controller/cable/hand control	1	2.6 kg	2.6 kg	2.6 kg	2.6 kg
Siderail - *each*	4	2.125 kg	2.3 kg	2.125 kg	2.3 kg
Lifting pole+grab handle	1	5.5 kg	5.5 kg	5.5 kg	5.5 kg

Those involved in the handling and assembly should follow Health & Safety guidelines and observe safe lifting and handling techniques.

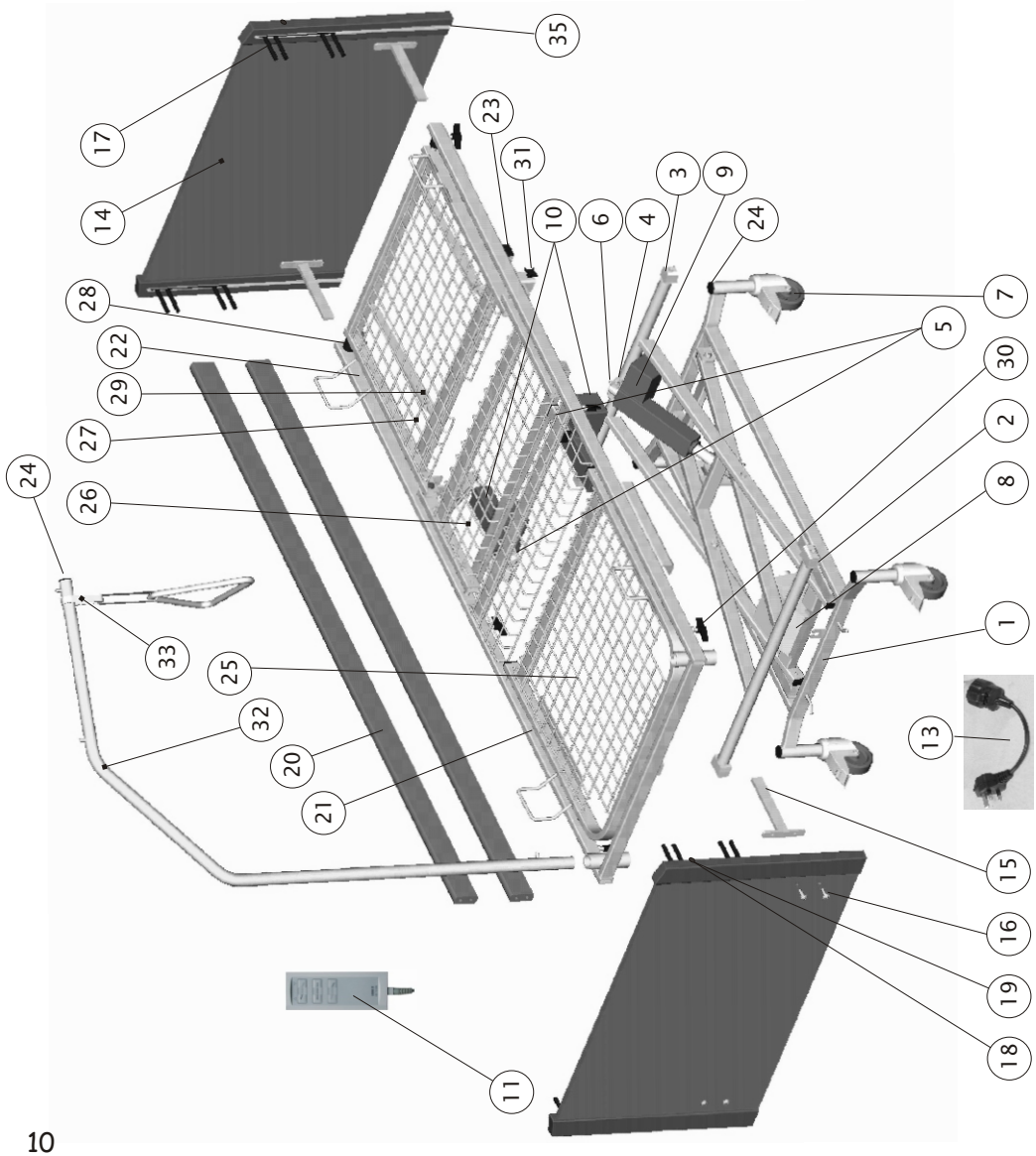
Technical Data.

Operating voltage	~230V / 240V / 50Hz
Power reception	160 VA
Power duration	max. 2 mins in 18 mins (10%)
Appliance type B	
Safety class II	⧈
Weight of bed	CB1-200-90 Standard Bed 115 kg (without mattress)
	CB1-220-90 Longer bed 122 kg (without mattress)
	CB1-200-120 Wider bed 156 kg (without mattress)
	CB1-220-120 Longer/wider bed 164 kg (without mattress)
Safe Working Load (refer to P.9)	All versions 190kg (30 stones)
Product conforms to	EN 1970:08.2000
Product conforms to	EN 60601-1-1:1990

The Company reserves the right to make technical changes without notice.

PARTS LOCATOR

When telephoning for assistance or to order spare parts it is essential we have the unique Serial Number from the bed.
This enables us to identify the correct items for the model of bed and year of manufacture. A spare parts list is available on request.



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   Assembly of the mattress support.

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   Assembly of head / foot boards.

7. Fitting the siderails.
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8. Using Fowler position knee-break.
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FEATURES OF THE PRO-CARE® BED.

These modular care beds have three electrically operated functions - back rest, leg rest & bed height. These are powered by linear actuators. Fowler position knee-break is also fitted.
Each of the actuators is sealed and uses maintenance-free permanent lubrication. They are ingress protected to IP54 standard

The functions are operated using a 3-function hand control connected to the main controller via a spiral cable. The hand control is ingress protected to IP66 standard.
All electrical functions are isolated from the mains supply & operate at 24v DC low voltage.

A 240V mains electrical ‘safety connector’ is supplied. This can reduce the likelihood of damage or injury if the bed is moved before being unplugged from the mains power supply socket.

The mattress support is constructed from metal mesh which allows the mattress to breathe and so prolongs its life.

The bed is supplied complete with timber ‘lift & lock’ siderails together with a lifting pole and grab handle. Each castor features a simple to operate brake.

Nexus brand accessories are designed to work in harmony with the moving parts of our beds and, in conforming with EN1970-2000 bed Standard, reduce the risk of entrapment. Use of other manufacturers’ products with our beds may take a bed/mattress combination out of EN1970-2000 guidelines and may increase the entrapment risk. Neither Nexus DMS Ltd, nor any of its employees, can take responsibility for any issues arising from use of such products.

PRODUCT IDENTIFICATION.

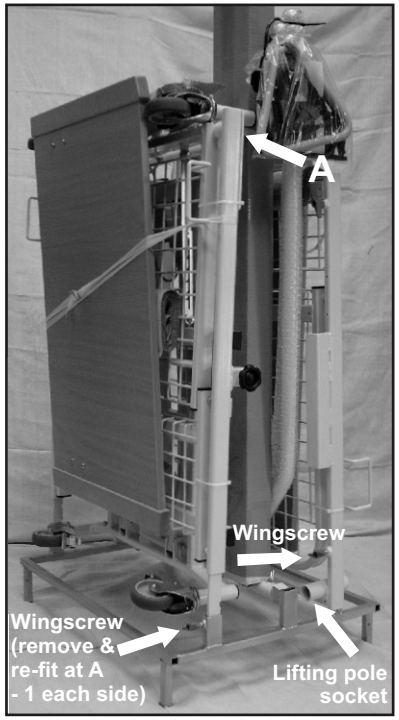
Each bed carries a CE label which identifies the type of bed, its product code and its unique Serial Number. **DISPLAY OF THIS CE LABEL IS A LEGAL REQUIREMENT. IT MUST NOT BE REMOVED.**

Should you ever require advice or spare parts then it is essential that you quote the Serial Number - this enables us to match parts and advice to your particular bed.

UNPACKING BED SECTIONS FROM THE TRANSIT FRAME.

This procedure is better completed by two people.
PLEASE REFER TO THE SAFETY NOTICE ON PAGE 2
BEFORE ATTEMPTING TO UNPACK AND ASSEMBLE THE BED.

1. Carefully remove the shrink-wrapping & cardboard packaging.
2. Cut the retaining straps around the lifting pole & pack of siderails & lift clear of the bed.
3. SUPPORT the HEAD & FOOT BOARDS, to avoid dropping & damaging, before carefully cutting their retaining straps. Lift both items clear of the bed.
4. The mattress support is in two halves with the scissor lift mechanism located between them. Identify the 'head' half of the mattress support by its circular lifting pole sockets at each side of the lower edge. Adjacent to each socket is a wingscrew - loosen these but do not remove. Lift this half of the mattress support clear of the two 'tails' on the transit frame & position safely.
5. Removing the other (leg) half of the mattress support is a similar procedure except that the wingscrews at the lower edge are fastened into the transit frame & not into the tubular section of the support itself - remove each of these two wingscrews & RE-FIT on the underside of the mattress support leg section - position A in the picture (one is fitted at each side).
6. Lift the wheeled scissor lift chassis unit clear of its mounting cups on the transit frame.
7. The steel transit frame can be retained in case the bed has to be stored or transported in the future; it can be returned to Nexus or it can be discarded.



GUIDANCE ON SAFE WORKING LOADS

The **S**afe **W**orking **L**oad **MUST NEVER** be taken as the maximum user weight.

In common with other manufacturers we quote a Safe Working Load for each of our beds. When a bed is tested, a **static load** is evenly distributed over the whole surface of the bed. Remember when a bed is in use that the load is rarely static or evenly distributed. Should a visitor, for example, sit down heavily on one side of the bed then the shock load at that point will be extreme, the load will be uneven & the total combined weight may **exceed** the Safe Working Load. The **SWL** must take account not only of the weight of the user but also the weight of the mattress, bed linen & other items loaded on to the bed eg. Air pump for air-driven mattress.
You should also take account of any likely weight gain by the user in the future.
Typically, a mattress could weigh 20kg; an air-driven system could be as much as 30kg; a couple of pillows 3kg; bed linen around 12kg - **the total of such items, together with anything else placed on the bed, PLUS the weight of the user must NEVER exceed the Safe Working Load.**
Neither Nexus DMS Ltd, nor any of its employees, can accept responsibility for any issues arising from overloading a bed. Should damage result from such actions then any necessary repairs will not be covered under warranty.

MATTRESS INTEGRITY.

Should a mattress cover be damaged then body or other fluids can pass through and contaminate the inner core creating the potential for cross-infection.
It is therefore recommended that a frequent inspection of mattress covers is undertaken to inspect for damage, such as holes or cuts. The inner core of the mattress should also be inspected for signs of staining or contamination.
Should there be damage to a cover then it should be disposed of safely. Should there be contamination to the inner foam core then it cannot be decontaminated and should therefore be disposed of safely. Inner cells of an Optima air-float mattress system can be decontaminated.

USING THE FOWLER POSITION KNEE-BREAK

The Fowler position knee-break is adjusted on ratchet mechanisms attached to the leg lift section and can be adjusted both manually and electrically. There are 6 positions available so that you can achieve the correct angle for a particular users knees.

MANUAL ADJUSTMENT: Raise the leg lift section electrically to a chosen height and then, holding one of the mattress retaining handles, lift the foot section until it 'clicks' and remains at the position you require. To lower - lift fully to its highest position (you will hear 'clicks') then lower until the foot section rests on the mattress support unit.

ELECTRICAL ADJUSTMENT: Raise the leg lift section electrically until you achieve the knee angle required. Lower electrically until you hear 1 'click' then raise electrically to the height you require. The chosen angle will be maintained. To lower - use the hand control and lower electrically until flat.

RAISING & LOWERING THE SIDERAILS.

TO RAISE:

Hold the UPPER siderail at the head end & slide up the channel until the locating pin engages with a 'click'.

Both upper & lower rails are now locked in the upper position, correctly spaced.

Repeat the procedure at the foot end.

For occupant safety always 'lift & lock' the siderails at the head end first.

TO LOWER:

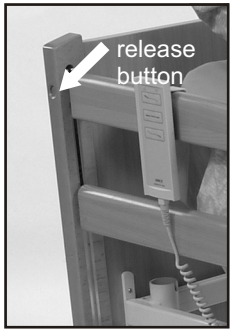
Hold the UPPER siderail & lift slightly until it stops. This action 'unlocks' the release button on the side of the footboard.

Press & hold the button & gently lower the siderails until they rest on the stop at the bottom of the track.

Repeat the procedure at the foot end.

NEVER let go of the rails & allow them to drop.

For occupant safety always lower the rails at the foot end first.



USING THE ELECTRICALLY POWERED FUNCTIONS.

Pro-Care beds are fitted with an auto-profile/ function-lock hand control similar to the one pictured. This controls the Independent operation of the back-rest, leg-rest, & bed height functions. It also allows the back-rest and leg-rest to be operated simultaneously using just one button.

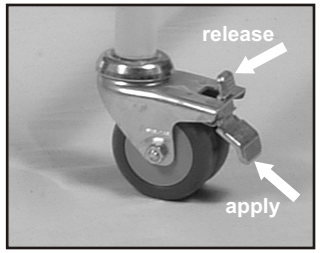
It allows any or all functions to be LOCKED using the special 'key' provided - inserting and turning clockwise to lock (closed padlock pictogram) or anti-clockwise to unlock (open padlock pictogram).

The buttons to the left control the 'raise' functions & the buttons to the right the 'lower' functions.

Each button carries a pictogram to denote its function.

A clip on its rear allows it to be positioned conveniently on a siderail.

APPLYING & RELEASING THE BRAKES.

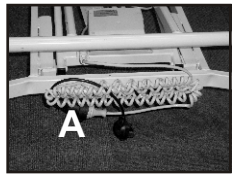


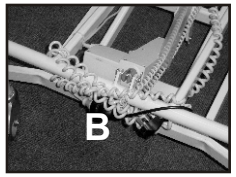
For safety reasons the brake on each castor must be applied when the bed is in use.

They must be released before moving the bed.

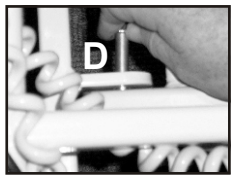
DISASSEMBLY OF THE CHASSIS FOR SAFER HANDLING.

Models of Pro-Care beds manufactured from December 2005 are fitted with a quick-release system which allows the scissor-lift and wheeled base assemblies to be easily separated for safer handling. The following instructions show how to do this.
(This does not apply to pre-Dec 2005 models)

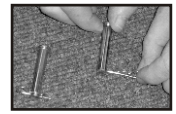


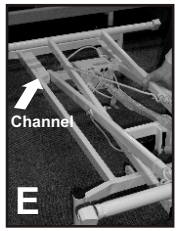


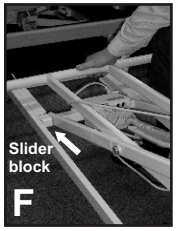
1. Place the assembled chassis assembly on a level surface & apply the brakes.
2. Remove the coiled mains cable from position A and re-wrap at the opposite end of the unit - B.



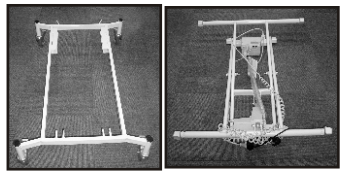
3. Remove the 2 'R' clips at C - one each side of the chassis.
4. Remove the 2 clevis pins at D - one each side of the chassis.
5. Re-attach the 'R' clips to the clevis pins and put in a safe place.





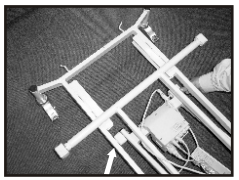


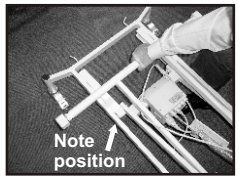
6. Holding it firmly slide the scissor-lift assembly away from the wheeled base until the slider blocks clear the channels. Lift clear and position in a safe place - pictures E & F.



The separated wheeled base & scissor lift units.

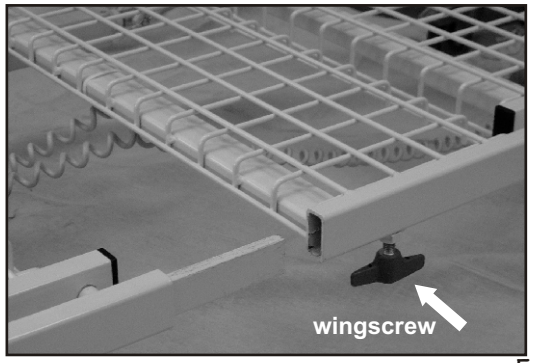
Re-assembly is a reverse of the above procedures - taking care to ensure that the slider blocks are square to the channels before attempting to slide home.





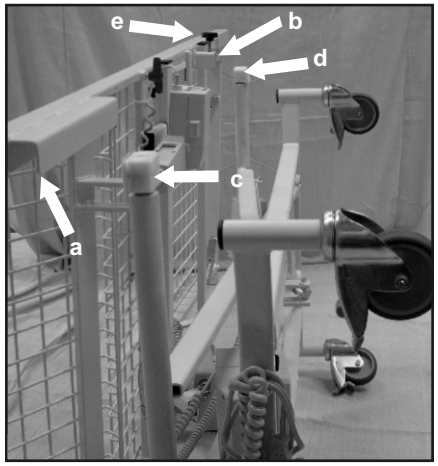
ASSEMBLY OF THE MATTRESS SUPPORT UNIT.

1. Position the two halves facing each other with the two actuators towards the middle of the bed - as indicated in the picture. Unscrew the two wingscrews, but do not remove completely.
2. Slide the sections together, ensuring both sections fit fully together until the outer tubes touch each other.
3. Tighten the wingscrews on the underside of the mattress support very securely by hand.
   Wingscrews should be rechecked for tightness periodically - refer to Page 2.

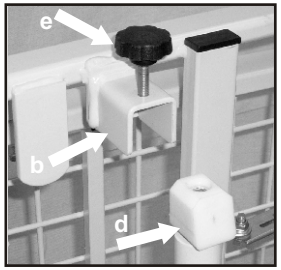


ASSEMBLY OF MATTRESS SUPPORT TO SCISSOR LIFT CHASSIS

1. Position the assembled mattress support unit on its side with the lifting pole sockets to your left & the electrical parts facing you. This places the 'head' end to your left. Pull out the back and leg sections by hand to support the unit.
2. On the underside of the mattress support (facing you) note the positions of (a) the steel 'slide' at each side of the head end & (b) the 'cups' with disc knobs at each side of the foot end - loosen these two disc knobs but do not remove.
3. Identify the head end of the scissor lift chassis from the position of the mains electrical cable.
4. Position the scissor lift chassis on its side, close to the mattress support unit, with the wheels facing you & the mains cable to the left. (head end at the left).
5. Identify the four white plastic carrier blocks - the two at the head end (c) are grooved - swivel these such that the grooved side faces towards you. Those at the foot end (d) are tapered - swivel both such that the tapered end faces you.
6. Position the head end carrier blocks into the two steel slides on the mattress support unit (grooves towards you).
7. Position the foot end tapered carrier blocks into the two steel cups (tapered end facing you). Securely tighten the two disc knobs by hand.



KEY
a - steel slide
b - steel cup
c - grooved carrier block
d - tapered carrier block
e - disc knob



CONNECTING THE ACTUATORS TO THE MAIN CONTROLLER.

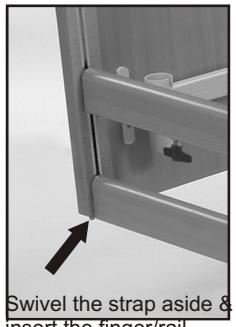
There are 3 actuators, each is connected to the main controller by a spiral cable and multi-pin D.I.N. plug.
Each plug carries a numbered tag which corresponds to a numbered socket on the main controller. The plugs are 'keyed' & will only insert if correctly aligned in the socket.
There is a retaining strap over the sockets - this should be released, using the tip of a small screwdriver, before attempting to fit the plugs & snapped back afterwards to 'lock' the plugs in place.
Assemble each of the numbered plugs & then fasten the spiral cables into their retaining loops on the underside of the bed so that they do not trail on the floor.
Take great care to ensure that cables are clear of actuators & that there is sufficient slack to allow for the movement of bed parts.

ASSEMBLY OF HEAD / FOOT BOARDS.

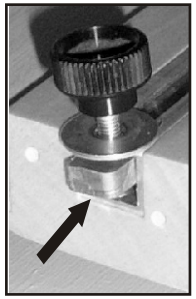
The head & foot boards are identical & can be fitted to either end of the bed.

1. At each end of the mattress support tubular section, on the underside, are two wingscrews (one at each side). Unscrew these but do not remove.
2. The head / foot boards each have two metal 'T' brackets pre-assembled.
3. Slide the two brackets **fully** into the open end of the tubular section.
4. Tighten the wingscrews on the underside of the mattress support very securely by hand.

FITTING THE SIDERAILS.


Swivel the strap aside & insert the finger/rail assembly from below.

1. The four black 'finger' assemblies are packed separately with this Manual & grab handle. One of these fits in the aluminium track at each side of each head/foot board.
2. At the bottom of each aluminium track, on the underside, is a metal strap which 'seals' the open end of the track. Swivel the four straps outwards to give access to the track. **(See note below)**
3. Slide a finger assembly upwards into one of the tracks, ensuring that the pointed end of the slider faces UPWARDS. Slide up until you hear the click as it locks in its upper position. (you may need to press the button on the side of the head/foot board to release the lock.) Close the strap at the foot of the track & tighten the screw.
4. Slide a siderail onto each pair of fingers.
5. Take a second finger assembly (pointed end upwards) & slide into the other ends of the siderails. Position at the bottom of the second track and slide up until it locks. Close the strap at the foot of the Track and tighten the screw.
6. Repeat this procedure for the remaining pair of siderails at the other side of the bed.



NOTE On beds supplied from December 2005 an improved siderail end stop/closure is fitted to the aluminium track during production - arrowed in picture. This should be removed by unscrewing partially until the screw is free of the locating hole in the aluminium track and sliding from the bottom of the track. Fit the siderails according to 3 to 6 above, then re-fit the end stop/closure by sliding into the track and tightening securely - noting the following:
* Ensure that the washer is located on the **outside** of the track.
* Ensure that the **screw** locates in its **locating hole** in the track.

FITTING THE LIFTING POLE.

1. There is a socket for the lifting pole on each side of the bed at the head end.
2. Insert the lifting pole into either the left or right hand socket.
3. Rotate the pole until the pin on the pole locates in the corresponding groove in the socket - this keeps the pole central & securely positioned for use.
4. Hang the grab handle over the end of the pole between the two vertical pins as shown & adjust the strap to the required length.
5. The pole can be lifted slightly to free the pin & swung out of the way when not in use. It must NOT bear any weight when in this position.